

# SOFTWARE FROM THE CATALOG

IBM  
HARDWARE  
ORIENTED  
SYSTEM

NEW!

## GENESIS™

The 3D Molecular Modeler  
by Scott Legrand

The atoms of life... carbon  
... nitrogen ... hydrogen  
... oxygen ... phosphorus

This is the stuff we're made of. But until now, only research scientists in large universities could actually image the building blocks of matter.

Imagine creating the basic elements yourself, then watching as they come to life. And with a pair of STERBOTEK glasses, this miraculous process unfolds in 3D stereoscopic depth.

Using GENESIS and your mouse, you can:

- load and display amino acids, hydrocarbons, and sugars
- create your own molecules onscreen or build them with data from pre-stored libraries

Rotate 3D molecules on any axis—X, Y, or Z, using real-time control. In stereo, hexagonal carbon rings and delicate fingers of hydrogen burst right out of your monitor.

With two molecules onscreen, you may:

- create your own rules for molecular bonding, then animate the chemical reaction between them
- derive the new empirical formula and print hardcopy

data for reference. GENESIS offers the same type of isocore control panel and intuitive human interface pioneered on the Atari ST with CAD-3D 2.0.

Three different display modes for every imaging need:

- 1) STERBOTEK LCS glasses.
- 2) Red/blue anaglyphic glasses.
- 3) No-glasses (monoscopic).

And with data provided on the program disk, you can create virtually any known molecule using the on-line periodic table of elements.

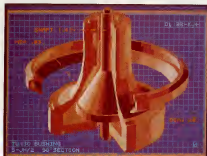
GENESIS  
ST0239 \$79.95  
(requires one-megabyte RAM)  
Available June





## THE CYBER STUDIO™ (2-program set)

The first affordable integrated 3D video production workstation.



### Tom Hudson's STEREO CAD-3D 2.0™

Supports (optional) STEREOITEK 3D Glasses

Hidden within your Atari ST is a professional 3D workstation. A 3D design system that is intuitive—yet powerful enough for professional artists, advertising agencies, or design firms.

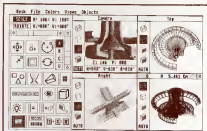
We've taken every suggestion from graphics professionals who loved version 1.0, but wanted more designing power and speed. And then we made version 2.0 an open-architecture system, so that any programmer can easily write custom applications for CAD-3D 2.0 that run as desk accessories: motion control choreography, advanced rendering/ray tracing, finite element analysis, texture mapping, custom modeling tools. . . There's no limit. CAD-3D 2.0 will never become obsolete.

Let your creativity soar with all these new features:

- Icon control panel—fast, intuitive interface
- All new, DEGAS-style color design system permits custom-color lines, edges and backgrounds, multi-colored objects
- Real-time display mode for instant response (uses 3D math developed by Jer San for Starglider™)
- Supports (optional) STEREOITEK 3D glasses for 3D viewing
- Dimensioning (feet/inches or meters/centimeters)
- Graphic lighting control—drag lights anywhere
- GDOS output supports laser and dot matrix printers
- Load/Save 2D object templates (from other CAD systems)
- Customized rendering system plus Z-buffer accuracy
- User-selectable pivot points for articulated rotations
- Enhanced Spin, Extrude, and Join tools
- Load DEGAS pics into CAD-3D background

"Atari's CAD-3D is one of the best programs I've seen for the Atari or anything else"

—Jerry Pournelle  
Byte Magazine



### Mark Kimball's CYBERMATE™

Supports (optional) STEREOITEK 3D Glasses

The CAD-3D Animation/Editing language

You need powerful tools to produce a professional 3D digital animation. Important things like editing, special effects, and sound are critical elements in a high-quality presentation. CYBERMATE is a full-featured animation language that gives you control over:

- Sequence looping, cuts, fades, wipes & dissolves
- Color shifting
- Sound effects (created with the G.L.S.T.™ editor, on pg. 11)
- Acceleration & deceleration
- Title generation and text display

CYBERMATE features editing power comparable to a Hollywood post-production studio, plus full programmability. At your fingertips is the most efficient real-time playback system for 3D graphics ever on a microcomputer. And it's fast!

How does it work? At the heart of CYBERMATE lies our exclusive delta compression format, which transforms your one-meg ST into a TEN-MEGABYTE frame buffer. Up to a thousand frames of animation can be held in RAM at once. And because it's a real programming language, CYBERMATE can adapt to new technologies, like the new digital video tape recorders from Japan, RGB-to-NTSC converters, MIDI, and SMPTE time code.

THE CYBER STUDIO

STEREO CAD-3D 2.0 plus CYBERMATE

2-disk set (requires one-megabyte RAM)

Upgrade from CAD-3D 1.0 for only \$60 (plus original disk and \$5 shipping)

Starglider™ Finbird Software  
DEGAS™ Batteries Included

ST0236 \$99.95

"A remarkably powerful modeling system"  
—Computer Graphics World

The Original...

### Tom Hudson's CAD-3D™ 1.0

520ST-compatible

If you own a 520ST and are interested in computer graphics, many of the features of CAD-3D 2.0 are included in this original version—you even get a basic animation system.

(requires 512K RAM)

ST0234 \$49.95





### CYBERSCAPE®

A 3-D "feature film" on disk by Darrel Anderson. Skim the fantastic, 3-dimensional terrain of the mind! Metamorphosing metallations and transforming tubular time slots! This full-color, animated feature was created by professional artist Darrel Anderson, to show what can be done with CYBERMATE—The CAD-3D Animator. An incredible tour de force of computer graphic power, this demo is a guaranteed auto-lozotomy of the very first order!

**CYBERSCAPE OS**  
(1 double-sided disk)  
\$80/04 \$10.00

**CYBERSCAPE SS**  
(2 single-sided disks)  
\$80/05 \$12.00  
(Both versions require 1 megabyte RAM)

### 3D-FONT PACKAGE

by Tom Hudson

Design your own 3D greeting cards, signs, logos, and letterheads with CAD-3D. Or create sophisticated 3D animated title sequences for your home videos.

At the heart of this packed disk is Tom Hudson's new SUPER EXTRUDER TOOL. With it, you can create new kinds of complex, multicolored 3D objects that can't be built with CAD-3D alone. Plus, it

Now you can write the next hit 3D program!

### 3D DEVELOPERS DISK

For CAD-3D 2.0

by Tom Hudson

While Tom was rewriting CAD-3D, he quickly realized that it was impossible to add everything and still release a product in this century. Plus, who wanted CAD software that required a 4 megabyte machine? So he opened up the system—by providing a programmers 'pipeline' through desk accessories.

**Opportunity Knocks!** The 3D DEVELOPERS DISK clearly explains to programmers how to access the pipeline. Included on the disk are full-featured example source and object code examples, plus detailed instructions by Tom Hudson showing you how to hook into CAD-3D 2.0. Create your own 3D applications—with no knowledge of 3D math. There's no licensing fee required.

(Requires CAD-3D 2.0)  
(works with most popular ST C's plus machine language)  
**3D DEVELOPERS DISK**  
\$T0244 \$29.95  
AVAILABLE JUNE

doubles as a 3D FONT EDITOR, and Tom has built two incredible fonts just for you (serif and sans-serif, upper and lower case—over 250K of fonts!).



(requires CAD-3D)  
**3D-FONT PACKAGE**  
\$T0224 \$24.95

(requires CAD-3D)  
**PLOTTER DRIVERS**  
\$T0225 \$24.95

Also, dot matrix printers supported: GEMINI/STAR, EPSON, OKIDATA, IBM, COLOR (Radio Shack, Epson, Canon), NEC, PANASONIC, C-ITOH, and more.

### PLOTTER AND PRINTER DRIVERS

Plot your 3D drawings on a high-resolution pen plotter for a truly professional look! Supports Hewlett-Packard (and HP compatible) plotters. Multi-plots on a single page—best fit system.

## THE CAD-3D DESIGN DISK LIBRARY

Darrel Anderson and Richard Berry  
YOUR FOUNDATION FOR THE BEST IN CAD-3D ART

### HUMAN DESIGN DISK™ NEW!

Populate the CAD-3D Universe. Bring life to your CAD-3D creations with the CAD-3D HUMAN DESIGN DISK. Complete modular male and female prototypes, in skeletal and surface anatomy forms, are included. A variety of complex heads and hands add detail and realism to your figures. Modify your figures to create the infinite variety of the human form, pose your figures, detail the images with any popular paint program, or



bring them to life with the CYBERMATE Animation System. Includes:

- Blueprints
- Tips on the dynamics of human anatomy.

### ARCHITECTURAL DESIGN DISK™ NEW!

Create CAD-3D renderings of your Dream House or build an entire CAD-City from the ground up. Component parts including: Doors, Windows, Arches, Roofs, Walls, Stairways, and a wide variety of architectural accoutrements. Create your own CAD structures and populate them with HUMAN DESIGN figures. Build "sets" for your CYBERMATE animated movies.

NOTE: The ARCHITECTURAL DESIGN DISK can be used to



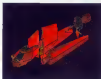
visualize and render real world architecture. It is not intended for use as an architectural engineering tool. Includes:

- Blueprints
- Complete Models
- Design Tips

### FUTURE DESIGN DISK™

Get a fast start on your three-dimensional explorations with the CAD-3D FUTURE DESIGN DISK. Everything you need to create SPACECRAFT, STATIONS, BASES, VEHICLES, ROBOTS, and ANDROIDS. Model your future then populate it with androids and CAD-People. Bring it to life with CYBERMATE; detail it with any popular paint program.

- Includes:
- Blueprints
  - Complete models
  - Component parts



- Construction tips
- "HUMAN DESIGN DISK" \$T0242 \$29.95
- "ARCHITECTURAL DESIGN DISK" \$T0243 \$29.95
- FUTURE DESIGN DISK \$T0232 \$24.95
- (All Design disks require CAD-3D)
- \*AVAILABLE JUNE



**800-443-0100, ext. 133**

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**ORDER TOLL FREE**

True stereoscopic 3D graphics for your Atari ST.

## STEREOTEK™ 3D GLASSES by LC Technologies



© Maciej Tulebski/TSA Visual

Put on the STEROTEK glasses and jump into a new universe. Discover a magical world that you always knew existed. That extra dimension—DEPTH. Now you can add depth to your computer graphics with the STEROTEK Liquid Crystal glasses. Solid, realistic, 3D images you want to reach out and touch. STEROTEK glasses plug into your ATARI ST cartridge port to provide absolutely realistic 3D graphics in full color or hi-res monochrome.

**NOW! AVAILABLE FOR USE WITH STEROTEK GLASSES**

### LCS WANDERER™

by Pyramide Software

Deep space has never been so real!

LCS WANDERER is the first ST game designed for full-depth stereo. Written in France, but set in outer space, this stunning arcade adventure transports you through galactic Space sectors, Black holes, and Limbo. Startlingly realistic, stereo point-of-view animation puts you in the cockpit as you swoop and dive through star fields while dodging enemy craft.

This is no ordinary space shoot-em-up. The bizarre, complex plot involves the ruthless kidnapping of every cat on earth. As you wander through space, collecting parloined pussycats, you run across the Heads of State of the Planetary sectors with

whom you must play interstellar poker. LCS WANDERER is a complex, multimodular program—really several games in one. Journey from the dogfights in the Space sectors to the interstellar poker strategies, from the Battlezone-style of the Planetary sectors to the stereo tunnel of the Black holes, and Limbo... well, there's always Limbo.

The liquid-crystal clarity of the Stereotek glasses transforms LCS WANDERER into a multi-colored micro universe within your monitor. Includes a completely redesigned solid-surface cockpit, full 16-color displays, and reduced eye-fatigue compared to the original red/blue version. (Requires color monitor and Stereotek glasses)  
**LCS WANDERER**  
**ST0230 \$39.95**

Battlezone™ Atari Corp.

Your STEROTEK depth-view system includes:

- One pair electronic Liquid Crystal Shutter glasses with four-foot cable (can be comfortably worn over eyeglasses).
- ST cartridge interface unit—supports two sets of glasses (second set optional).
- DEGAS Elite Stereo Desk Accessory.
- Stereo CAD-3D animation and stereo slide show by Tom Hudson.
- For programmers: Complete developer's instructions plus sourcecode for adding stereo to your own programs. (C or GEA BASIC)

The secret to full-color stereo images on a computer screen is electronic Liquid Crystal Shutter (LCS) glasses. Two optical shutters in eyeglass frames are connected electronically to the ST. Every time the ST screen refreshes (60hz/color, 70hz/mono), one shutter closes and the other opens. The monitor displays alternating right and left eye views synchronized with the shutters. The alternating views appear faster than the eye can see, and your brain translates the normally flat monitor image into one of startlingly realistic depth.

### STEREOTEK 3D SYSTEM

TH0020 \$149.95

### ACQ-DN GLASSES ONLY

TH0021 \$99.95

### STEREOTEK 3D SYSTEM

Manufacturer's Sugg. List: \$189.95

Catalog Price: You pay only \$149.95



LC Technologies is a venture of Tektronix, Inc.

## \$5,000 CONTEST

Atari and LC Technologies are co-sponsoring a competition to search for the MOST INNOVATIVE STEREO APPLICATION PROGRAM. We're going to pay \$5,000 in cash (advance against royalties) for the winner, plus a continuing royalty upon publication here in The Catalog.

For an official entry blank and competition details, write to: STEREO COMPETITION, The Catalog, 544 Second St., San Francisco, CA 94107, or call (415) 957-0886.





## **NOW! A PROFESSIONAL FLIGHT PLANNER FOR THE ST!** **THE NAVIGATOR™**

by Scott D. Stephenson

• Works with MAPS AND LEGENDS

Sometimes, you really need to know *exactly* where you're going. Have you ever wondered, while boarding your plane, how the pilot will find his way to your destination? The answer is navigation. The pilot follows a detailed flight plan created by his navigator.

Now, accurate computerized navigational planning is available on the Atari ST. THE NAVIGATOR is a professional, automated flight planner created specifically for the ST by professional navi-

gator Scott D. Stephenson. Private pilots, military pilots, navigators (ocean-going as well as air), and commercial operators can use this amazing program to create accurate, detailed flight plans.

Amateurs, arm-chair flyers, teachers and students of navigational theory can discover how the professional navigator plans his flight, compensates for wind direction, establishes waypoints, and calculates times and distances. And we've included a special MAPS AND LEGENDS overlay function which creates custom map overlays, graphically displaying your flight paths.

- **PRIVATE PILOTS:** You'll love THE NAVIGATOR's printed flight plan and extensive ICAO waypoint database.
- **ARMCHAIR PILOTS:** Generate your own flight plans for sub-Logic's FLIGHT SIMULATOR II.
- **TEACHERS:** Show your students the rudiments of navigation. Use THE NAVIGATOR plus MAPS AND LEGENDS to measure the earth!
- **SAILERS:** Plan for currents or winds—taking fuel flows and times into consideration.

• THE NAVIGATOR comes complete with these databases: European ICAO, Asian ICAO, and US ICAO.

### **TWO PROGRAMS IN ONE!**

Included with THE NAVIGATOR is THE NAVIGATION TOOLKIT a bonus program of computer navigation tools which performs sophisticated data management operations on your waypoint databases. Create new data files or modify existing files using its advanced random-search technique.

THE NAVIGATOR

ST0245 \$49.95

## **THE WORLD ON A DISK.** **MAPS FOR EVERYBODY!** **MAPS AND LEGENDS™**

The Cartographer

Enhanced Version

Supports (optional)

StereoTek Glasses

by Harry Koons and

David Chenette

Hold on a second. Now that you've word-processed, spreadsheeted, databased and telecommunicated with your Atari ST, aren't you looking for something different?

How about Cartography? Until now, mapmaking has been a unique art mastered by only a few talented people. Not anymore. With MAPS AND LEGENDS, your Atari ST becomes a personal desktop cartography system.

Show your children exactly

what the world looks like— with or without political boundaries. And in STEREO, the world globes appear



to be floating in front of your monitor. Or print an impressive custom map to go with your travel itinerary. We use MAPS AND LEGENDS all the time at the office for sales and marketing maps. And since it's based on the GEM interface, it's GEM-easy to use!

MAPS AND LEGENDS 3.0

ST0202 \$34.95

(upgrade is \$15)



### **LET'S-GET-TECHNICAL BOX**

Packed with features, including: STEREO COMPATIBILITY, BUILT-IN 9000-COORDINATE DATABASE, 11 DIFFERENT MAP PERSPECTIVES, PLOTTING FROM ANY ALTITUDE, WORKS IN ALL 3 SCREEN MODES, BUILT-IN PAINT SYSTEM (and compatible with DEGAS and NEO), MULTI-FONT LABELLER, CUSTOM OVERLAY PLOTTER (create your own maps—build your own map databases), AUTO-LOCATE MODE (reads coordinates, distance and bearing from maps) and so many more that we don't have room to list them all.

### **DATAMAP COLLECTION I**

Expand Your Maps and Legends Database!

NATIONAL POLITICAL BOUNDARIES

Europe, Latin America, S. America, Asia, Africa

PROVINCIAL BOUNDARIES

Australia, Canada, China, U.S.S.R.

(requires Maps and Legends 2.0 or greater)

DATAMAPS

ST0227 \$24.95

### **PLUS HISTORICAL MAPS AND MORE!**



24 hours a day  
**800-443-0100, ext. 133**  
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**ORDER TOLL FREE**

# BASE TWO™

The GEM Database by the Authors of DBMASTER ONE

## THE NEXT STEP IN DATABASES, BY THE AUTHORS OF DB MASTER ONE™!

### BASE-TWO™

Dan Matejka  
and Stanley Crane

It's no fun re-learning your database commands every time you boot it up. And those simplistic "filecard" databases just don't have the power to do the job. Or, maybe you've just created your custom database, entered 5,000 records, and now you want to print a report. . . Good luck. You need a degree in programming just to get some decently formatted hardcopy!

Dan Matejka and Stanley Crane have eight combined years of experience writing databases on computers ranging from the IBM PC to the Apple Macintosh. And their databases range in complexity from the extremely powerful and complex IBM PC DB MASTER to the familiar, introductory DB MASTER ONE on the Atari ST. They've watched the ST database market grow—and they've spotted a gap: Until now, ST databases have been either too simple, or too complex. Until now, ST owners were limited to easy-to-use, inflexible "mailing lists," or involved, programmable "throw-backs" to the

CPM or MS-DOS world. Until now, there was no intuitive, yet powerful database featuring an adaptable report generator. *Until now.*

BASE-TWO fills the gap. Entirely GEM-operated, DB MASTER-ONE owners will find it familiar, yet far more powerful. Look over some of the features and see if it solves your problem:

- Variable field types:
  - Implicit (default)
  - Alpha
  - Numeric
  - Date (calculable)
  - Formula
- Formula fields automatically calculate results from several fields in same record
- Adjustable numeric decimal placement
- Re-edit database at any time without losing data
- User-definable .DIF file creation for software compatibility (with A-CHART, for example)
- DB MASTER-ONE conversion program
- On-line Help screens
- Optional mouse or keyboard control
- 64 character label length
- 100 fields per record
- Multi-level Search and Sort
- Locally RAM-based for instant action
- Format disks from within program

The intuitive BASE-TWO

**Report generator** includes:

- Multi-line field word-wrap, screen and printer
- Completely adjustable label or column-format report

- Place "comment" text anywhere
- Customize with printer control codes
- "Soft" field borders for auto-field truncation

### INSTANTANEOUS SORTING!

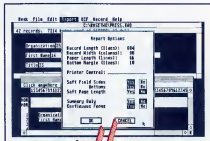
size	# records	sort time
512K	5,000	5.1 sec
1 Meg	10,000	9.7 sec
2 Meg	20,000	19.2 sec
4 Meg	50,000	46.1 sec

Using a sample eight-field mailing list.

- Optional, automatic date, time, and page numbering
- Print reports to screen, printer, or ASCII disk file for word-processor editing
- Optional subtotal printout
- Adjust number of records per page
- Double-line report headers

- Single-sheet or continuous feed option
- Store 10 custom reports for each file
- Up to 100 unique fields per report

**BASE-TWO**  
**ST0246 \$59.95**



**NEW!**

**800-443-0100,  
ext. 133**

(Continental U.S. and Hawaii)  
Visa/MC Only

**ORDER TOLL FREE**

**24 hours-a-day**

PHASAR IS THE STANDARD BY WHICH OTHER FINANCIAL PACKAGES WILL BE MEASURED

IBM AND AMIGA USERS SAY:

"The first home accounting package I have found in five years that is actually usable."

—Mark Baldwin, Littleton, CO

"I am enjoying your tutorial almost as much as I admire the power and versatility of the software itself."

—Joe Joyce, Huntington, VT

# PHASAR

Professional Home Accounting System and Register by Marksman Technology

WHAT PHASAR IS: A friendly, GEM-based, single-entry accounting system that will make your life easier. PHASAR is fast, sophisticated and contains the best interface programming design we've seen in any ST applications program.

## GENERAL FEATURES

- 130 expense/income categories
- 40 accounts (VISA, checking, etc.)
- Up to 500 transactions per month
- Custom check printing
- A.I. parser predicts input, minimizes typing
- Instant help messages with right mouse button
- Relational design integrates financial data

## TRANSACTIONS

- Automatic transfers between accounts
- Split-category transactions
- Create transaction macros for repetitive entries
- Point-and-type spreadsheet-style relational summary update

## FINANCIAL ANALYSIS

- Easy budget setup and maintenance
- Analyze loan/savings plans
- Display multiple loans simultaneously for easy comparison

## DATE/ADDRESS ORGANIZER

- Store up to 250 names, addresses and phone numbers
- Integrated scheduler stores special occasions
- Display calendar with highlighted special occasions
- Optional auto-alert reminds you of important events

## RECONCILIATION

- Display outstanding transactions for any account
- Confirm transactions with single keystroke

## REPORTS

- Clearly formatted printed reports include:
  - Account Summaries
  - Category Summaries
  - Net Worth Statement
  - Tax Calculations
  - And more...
- Display or print total income/expenses, monthly or year-to-date
- Sort categories in any order
- Built in data graphing
- Compatible with A-CHART

## TAX

- Design your own tax forms—never out of date
- Calculate tax liability in less than one minute
- Project tax liability at any time

PHASAR  
ST0237 \$89.95

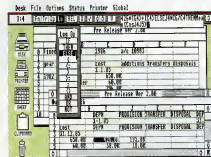
**BYTE TESTS SHOW A-CALC ALMOST TWICE AS FAST AS MICROSOFT MULTIPLAN ON THE MAC PLUS!**

**A-CALC PRIME™ by Kuma**

Kuma Computers, Ltd. UK

That's right! In the February 1987 review of the Atari 1040ST, BYTE magazine selected A-CALC 1.0 to test the Atari against the Amiga and the Macintosh Plus. On recalculation of a 25x25 cell spreadsheet, A-CALC was the clear winner at 4.7 seconds, compared to 7.5 on the Mac Plus, and 6.5 on the Amiga (using Lotus 1-2-3).

And now, you can have all the speed of the original GEM-based spreadsheet plus the powerhouse features of the next generation: A-CALC PRIME—it blows away the competition.



Features that made the original A-CALC 1.0 the easiest-to-use spreadsheet ever:

- Up to five windows open at once
- WIDE-VIEW option to see 50 percent more of your worksheet at once
- SEARCH for character strings
- Powerful PRINTER FORMATTING commands

Make your next presentation the one they remember.

**A-CHART™ by Kuma**

Kuma Computers, Ltd. UK

When was the last time you were excited about your spreadsheet? A-CHART makes working with figures fun and intuitive.

A-CHART automatically turns your A-CALC (or A-CALC PRIME) spreadsheets into beautiful graphs that are DEGAS-compatible. And, if you don't have a spreadsheet, A-CHART's built-in editor will help you organize those numbers into a super-sharp presentation.

View your data in eight different chart styles—change styles instantly with one mouse click. Drag and size multiple



A-CHART



DEGAS ENHANCED

"This is the easiest to use spreadsheet that I've ever seen."

—W. Krieger

Computer Shopper Magazine

- DIF file compatibility
- Exclusive A-CHART compatibility
- Sparse-matrix design maximizes available RAM

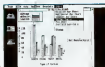
And now, PRIME adds dozens of special features:

- Row and column lock
- Conditional expressions (IF, THEN, ELSE, etc.)
- MACROS
- Labels
- 8192 rows x 256 columns
- Color/pattern coding of formula, text, value, etc.
- SORT and FIND
- Trig functions
- Sideways printing (for Epson compatibles)
- High-speed SMOOTH screen updating
- Complete printer control from within the spreadsheet
- Password-protected cells (hide and unhide)
- Additional ease-of-use features:
  - Off-screen scrolling with the mouse
  - Out-of-the-way convenient edit window
  - Cell and range reference by pointing with the mouse (even reference cells in inactive windows!)
  - Ten clipboards
- Illustrated manual and on-disk examples

In short, PRIME gives you premium spreadsheet power for the rock-bottom price of \$59.95. And, for A-CALC 1.0 owners, the upgrade is only \$20.00 (plus \$5.00 shipping. Enclose your original ver. 1 disk).

**A-CALC PRIME**

ST0236 \$59.95



A-CHART



DEGAS ENHANCED

charts in each window, define your own fill patterns and line styles. The flexibility of the graphic presentation of your numbers will give you an entirely new perspective on your business or home budget. And A-CHART grows as you do, with the capability of storing up to 50,000 data points in a 512K machine and 150,000 datapoint in a 1 meg machine. Full statistics menu for detailed analysis includes Mean, Median, Variance, Standard Deviation, Skewness, T-test, F-test, and much more.

**A-CHART**

ST0236 \$39.95

Epson-compatible from A-CHART.

Midi-printer compatible from DEGAS.

File compatible with BASE-TWO, PHASAR, and A-CALC PRIME



**F**FLASH is my #1 choice on the Atari ST."

—Ron Luks, Founder of CompuServe's SIG+Atari and Atari Developers Forum.

## THE MOST POPULAR TERMINAL PROGRAM FOR THE ATARI ST

### FLASH™

Version 1.1  
by Joe Chiazese and  
Alan Page

If you own a modem, you should be using FLASH. Why? Because FLASH is the best. It will simplify your online time and make telecommunicating more enjoyable and less expensive.

### TOTALLY PROGRAMMABLE PLUS BUILT-IN WORD PROCESSING

Imagine turning on your ST and, with one click from the GEM Desktop, beginning an online session on your favorite BBS. Watch FLASH

do the number, log on, and automatically browse through the most recent messages or files. Then, edit some email in the built-in message editor, and upload it right from the capture buffer. Instantly! It's your personal telecom droid. So programmable that you have total control, and so GEM-intuitive that you feel right at home the first day you use it. No wonder FLASH is the most popular Atari terminal program of all time.

### TERMINAL EMULATION PLUS BULLETPROOF FILE TRANSFERS

Of course, FLASH has a barrel full of terminal-emulation features, such as DEC VT100/VT52 and CompuServe Vidtex graphics, so you can use it with every mini or mainframe editor. And talk about FLASH COMMAND CARDS

bulletproof file transfers! It's got the most reliable Xmodem around—never lose a file during transmission again!

### PACKED WITH FEATURES!

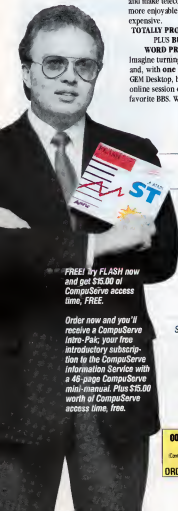
Here are just a few of the most useful features. Shop around and see if any other terminal program can even come close!

- Built-in GEM word processor with cut & paste
- Programmable "script" language (70 commands)
- Mainframe terminal emulation
- Xmodem (CRC), ASCII and DC2/DC4 file transfers
- Totally configurable to your needs!
- \$15 online time and CIS membership

Ask your local telecom guru's opinion. FLASH is the winner... hands down!

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Works with any Hayes-compatible modem.

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The Modern Accelerator  
Adrian Jovanovich

Your 1200-baud modem can now transfer files at over 2000 baud... 2400 baud now files at 4000 baud... The telephone company can't stop you. It's totally legal!

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QUICKTRAN comes to you as two identical disks. Each contains a desk accessory that works by itself (as a VT52 emulator), or with FLASH. The QUICKTRAN accessory auto-

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Why spend hundreds of dollars on a faster modem when you can transfer files in almost half the time with QUICKTRAN? Get together with a friend and start a modem conspiracy!

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Curious about expert systems and artificial intelligence? Discouraged because most expert systems tools are either for the IBM PC or Macintosh? And usually cost over \$700?

Transform your ST into an expert on any subject. **EXPERT OPINION** creates production-rule knowledge bases with more power than the average university system. And you don't need to know a programming language like Prolog or LISP—**EXPERT OPINION** is totally GEM-based... so you already know how it works.

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ST 10 THE CATALOG



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**THUNDER** gives you a powerful spelling checker accessible from within your favorite application program. Your

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It's so simple. Here's how it works. Example: you're happily writing away and you make a "mistake" and BEEP (**THUNDER** picks up the error with lightning-fast speed). Now **THUNDER** will display a list of similarly spelled words (stake, mistake, etc.).

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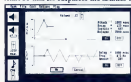
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WITH OUR SOUND LABORATORY.**

**G.I. Sound Tool  
G.I.S.T.™**

by Lee Actor and Gary Levenberg for Synthetic Software  
If **sound** has always fascinated you... or if you're a programmer or developer... take a look at G.I.S.T., the sound editor. G.I.S.T. was created to establish a standard of sound generation on the Atari ST that far surpasses the abilities of the built-in sound chip.



G.I.S.T. is really two programs:  
1) GEM-based editor  
2) Sound Driver

As you can see from the screen display, the G.I.S.T. editor gives you real-time mouse control over any sound shape. The key to

G.I.S.T.'s power is dynamic control of the GI chip. Each voice has three ADSR (envelope) controls and three LFO's (low frequency oscillators). You'll be creating sounds like a profes-

sional engineer—Near Synthesizer Quality (NSQ) sound.

For programmers, the Sound Driver is linkable object code that can be used in your own software. Adding superior sound effects to any program... It's interrupt-driven, so it won't impact the speed of your software. In fact, it's already built into CYBERMATE for CAD-3D—just one of many useful applications.

**LET'S-GET-TECHNICAL BOX**

- Volume ADSR to shape attack, decay, sustain, release
- Volume LFO for Tremolo effects and AM (Amplitude Modulation)
- Frequency ADSR—frequency shifts up to  $\pm 5$  octaves!
- Frequency LFO for Vibrato effects and FM (Frequency Modulation)
- LFO delay lets you add effects at any point in the sound
- MIDI-compatible! Use your keyboard to play the GI chip
- Three sound windows may be open at once

G.I.S.T. is also compatible with CYBERMATE. Add sound effects to your CAD-3D animations!

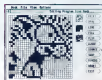
Source-compatible with Alcyon C, Meganax C, and Lattice C.  
G.I.S.T.  
ST0233 \$34.95

**START ICON EDITOR HITS**

**P.I.E.™** *NEW!*  
Professional Icon Editor  
Alex Leavens

It began as a hot little desk accessory in START, The ST Quarterly—you know, "Customize Your Desktop Icons!" or so the copy read. And it was a lot of fun. You could redesign your Trash can to look like a paper shredder. But the programmer, Alex Leavens, just couldn't leave it

alone. He kept adding things. Now, the Desktop Icon Editor has graduated. P.I.E. is the Professional Icon Editor—for programmers as well as desktop artists. Alex has added



icon code generation so you can now design icons for your own programs. And while he was at it, he added a bunch of graphics improvements to delight the artist in you. New features include:

- Generates Resource Construction Set code for icon images; P.I.E. can be used from within the Resource Construction Set to create and edit icons for the resources you're currently working on!
- Improved Editing Features:

- Faster Paint and Line modes
  - New Image Cut & Paste functions
  - Selectable Fill Patterns
  - Horizontal and Vertical Image Flip
  - Multiple Sub-function Menus added
  - Nine-level Bi-directional Undo buffer
  - In-program Desktop Icon Preview mode
  - Improved Keyboard Response
- P.I.E.  
ST0240 \$29.95

**CRYSTAL™**

(It makes GEM shine...) by Jim Thompson

These are the DOS Icons Digital Research forgot when they wrote GEM. It's too bad Atari didn't put CRYSTAL into the TOS ROM's, because for about 30K of code, CRYSTAL gives TOS the most powerful features of MS-DOS. Plus, you never lose the look and feel of GEM. And since CRYSTAL is a desk accessory, it's always available.

In fact, these eight icons will eliminate all the frustration

you feel from not having powerful DOS functions available from within your favorite GEM program (or the desktop)...

Of course, CRYSTAL is compatible with all monitors, all disk drives, and all printers.

Make your personal version of GEM shine—for \$24.95.

CRYSTAL  
ST0229 \$24.95

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—Current Notes

**ADD A WORLD OF DOS ICONS TO ALL OF  
YOUR GEM PROGRAMS.**

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|  | MOVE files in and out of subdirectories or to other disks           |  | DISK LABELS printed automatically |
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### EZ-Track™

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The patch librarian, editor and sound generator for the CASIO CZ synthesizer series and Atari ST.

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### MIDI CABLES

High-quality MIDI spec. cables in 5 foot length.

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### MISSILE COMMAND™ MEETS SDI—WITH A TWIST. RED ALERT™

by Stanley Crane and Daniel Matejka

What if you could view a game of SUPER MISSILE COMMAND from space? You'd be playing RED ALERT! Your cities are under attack. Russian ICBM's and MIRV's are coming in—both over the pole and from subs. You make the decisions about where to locate your Antiballistic Missile Silos, Ground-based Lasers, and when to use your space-based Particle Beam Weapon. The twist is that you may also place your cities anywhere you want... from your hometown to Havana. Or use the European scenario and defend London, Paris and Rome from the Red Menace! The perfect blend of strategy and arcade excitement.

RED ALERT

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MISSILE COMMAND™ Atari Corp.

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Fly a Cessna prop plane, soar in a Lear jet, or dogfight with other planes in a World War I scenario. **Completely mouse controlled!** Multiple windows for multiple viewpoints: cockpit, spotter plane, tower, zoom-map—set up as many as you like, drag them, size them and put them where you want. Special custom-graphics routines permit multi-tasking windows. Explore accurate, solid, three-dimensional geographical scenarios which sweep by at update rates as high as 30 frames-per-second. Supplied scenarios include San Francisco, New York to Boston, Chicago to Champaign, Los Angeles, and Seattle.

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Two experienced pilots on our staff took FLIGHT SIMULATOR II up for a spin and pronounced it a complete success—detailed, accurate, in many ways far better than professional flight simulators. You can preset your position and altitude and adjust your seasonal and weather conditions—including wind direction and



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Spectacular two-player mode lets you fly with a friend over modem. If you know someone with an Amiga version, you can take your rivalry to the skies!

**FLIGHT SIMULATOR II**  
TH9027 \$49.95

# MICRO PROSE



## SILENT SERVICE™

Exciting World War II Submarine Action in the South Pacific!  
by MicroProse  
0400 hours, Tuesday,  
August 12, 1942... **BATTLE**

**STATIONS!! BATTLE STATIONS!!** Enemy convoy identified on radar!!

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**SILENT SERVICE's** outstanding features include: all the critical battle stations, engine room, conning tower and ship's bridge; challenging and realistic combat versus single ships and heavily escorted convoys; and an infinite variety of situations using complete maps and charts for the entire Southwest Pacific and a sophisticated and realistic attack plotting system.

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As captain, you select a quiet patrol sector in the Marianas Islands, or choose the dangerous waters off the coast of Japan. Is the submerged daylight periscope attack best, or do you charge in on the surface at night using only radar bearings as your guide? These and many more decisions will determine your place among the elite ranks of the **SILENT SERVICE**.  
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**CORNERMAN** doesn't interfere with other programs and comes complete with security. **HIRE THE PERFECT SECRETARY TODAY—HIRE CORNERMAN.**  
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# MichTron



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Design your own pinball machines! Full-featured editor includes graphics line, circle, ray, box, textured fill, and more. Use your mouse to drag bumpers, borders and bells into position. Adjust the gravity, elasticity and speed. Save your creations to disk and build a whole arcade of pinball wonders!  
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Now you're organized—so take a break and have some fun.

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by Kuma Computers, Ltd.

Picture this: You're in the middle of hyperwarp to an endangered sector of the Star Raiders™ galaxy when you hear the approaching footsteps of your boss. No problem. You press three keys and your ST instantly switches to IST WORD™ where you continue working on a letter to the Accounting Director. The boss's steps recede in the corridor...press three keys and—WHAM! Right back in the middle of hyperwarp.

If you have a megabyte of RAM in your ST you can now load two programs at the same time. K-SWITCH splits your ST into two isolated 400K blocks, with a shared RAMdisk. You can

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Now you can use your favorite word processor and database together. And for the ultimate in financial software, mate A-CALC PRIME and A-CHART, transferring data instantly with the RAMdisk. Even run low res. programs in one half, and medium res. in the other—it's a marvel to see it switch.

If you own a megabyte ST, K-SWITCH will transform the way you use it. Today.

(1 megabyte RAM required)

K-SWITCH

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Construct GEM resources without spending \$300 for the Atari Developers Kit.

### K-RESOURCE™

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Do you program in any of these languages? • C,

• Pascal, • Modula 2,

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Now you can write professional GEM programs with custom icons and dialog boxes—without spending an

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Can your RAMdisk partition any size disk emulator you want?

• A-RAM can

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• A-RAM can.

A RAMdisk is an area of memory set aside as a buffer that responds like a disk

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GSFC

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IST WORD™ Alan Cope

A high-level Macro Assembler with an unbeatable combination of price, performance, and features.

### GSFC-ASM™

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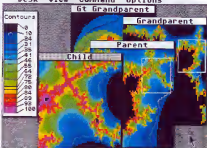
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### Desk View Command Options



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- Includes MENU+ GEM shell operating environment
- Full floating-point arithmetic
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INCLUDES: EDITOR, LINKER, MENU+.

Compatible with G.I.S.T. (page 10)

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**Technical questions? Talk with a Metacomco System Software Engineer. Call (408) 438-7201.**

### MCC MACRO ASSEMBLER by Metacomco

The MCC MACRO ASSEMBLER is the companion assembler for Lattice C and MCC Pascal. This full-specification assembler was specifically designed to complement those languages. Features include: linker, editor, GEM libraries, macros, MENU+ and 100-page manual.

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### DISK DOCTOR™ by Dan Matejka

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DISK DOCTOR will make recovery of your lost data as painless as possible. You can even use its built-in GEM disk editor to personalize your own software's menus and error messages. DISK DOCTOR is the perfect file repair utility for casual users, plus it's one of a programmer's most valuable tools.

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LISP, the symbolic language of artificial intelligence applications, is now available on the Atari ST. LISP (LIST Processing) is the language of choice in the fields of robotics, expert systems, and natural-language interfaces.

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Transform your Atari ST into a full A.I. workstation at the most outstanding price/performance yet achieved by a LISP system on any personal computer. And CAMBRIDGE LISP 68000 is both an interpreter and a compiler. Use the interpretive mode together with the trace package to quickly develop and debug programs. When all the diagnostics check out—compile it!

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**CAMBRIDGE LISP**  
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—Antia Sinclair,

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Features Jim Luczak's VDI SAMPLER and C PRIMER, which demonstrates C programming techniques and the use of VDI functions and their C BINDINGS.

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START #3	WINTER '86	SMS1286	SDS1286
START #4	SPRING '87	SMS0387	SDS0387

### AND—THE ANTIC ST RESOURCE COMPENDIUM

A complete collection on 3½" disk of all the programs appearing in the *ST RESOURCE* section of *ANTIC* Magazine from the very first issue. Each disk is packed with example source code and runnable programs \$10.95 each.

	ISSUES	DISK #
ST RESOURCE COMPENDIUM #1	4/85-1/86	SB0001
ST RESOURCE COMPENDIUM #2	2/86-5/86	SB0102
ST RESOURCE COMPENDIUM #3	6/86-9/86	SB0103
ST RESOURCE COMPENDIUM #4	10/86-2/87	SB0106

### ATTENTION RETAILERS!

The Catalog offers retailers the highest quality software at the lowest price. We're eager to help you service the growing community of *ST* owners in your area. Give us a call at (415) 957-0886 and ask for Brian Sarrazin, Sales Manager.

### XLISP

XLisp, written by David Betz, is a version of the LISP programming language on the Common LISP standard with extensions for object-oriented programming.

**PD9084 \$12.00**

### PROFF

PROFF is a text formatter similar to popular mini-computer tools like RUNOFF and TROFF. PROFF takes input from standard ASCII text files with embedded formatting commands and produces fully-formatted output files.

**PD9089 \$12.00**

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A collection of tools for manipulating archives—multiple files combined and compressed into single library files for later extraction and use.

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**PD9057 \$12.00**

*"Enhanced version with fill and palette functions."*

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Uses Mandelbrot algorithm to draw fractals in GEM windows in any resolution. Then zoom in with 2x, 4x, 8x, or 16x magnification. Change fractal iteration values and rescale fractals to enhance their color.

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### DEGAS COMPETITION HI-RES WINNERS

The top eight monochrome entries from Batteries Included's DEGAS art competition. Includes a slide-show viewing program—DEGAS is not required.

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The top eight color entries from Batteries Included's DEGAS art competition. Includes a slide-show viewing program—DEGAS is not required.

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### MicroEMACS Collection

MicroEMACS, originally developed by David Conroy, is a popular implementation of a useful subset of the EMACS text editor used on mini-computers.

**PD9090 \$12.00**

### UNITERM—TEK/DEC Terminal Emulators

UNITERM, written by Simon Poole, is a public domain GEM-based terminal emulator supporting complete VT100 and Tektronix 4010/4014 modes (with zoom), as well as ASCII file-transfers and other features. Also included on the disk, both with full C source code, are WTERM II, a GEM-based Tektronix 4010 emulator.

**PD9091 \$12.00**

### ADVSYN

ADVSYN, written by David Betz, is a complete Lisp-like language for creating text adventure games. It offers special facilities for giving descriptions, parsing user-input sentences, and handling objects and actors. Includes complete docs on disk, as well as "Starship Columbus," a completely documented sample adventure that's also fun to play!

**PD9092 \$12.00**

### SPELL/WrNor's Tools

SPELL, written by Eric Bergman-Terrell in Personal Pascal, is a simple spelling-checker for ASCII or 1st-Word files. It scans your document, reporting incorrect words and allowing you to add them to the program's unlimited-size dictionary.

**PD9093 \$12.00**

### CAD-30 COLLECTION I

The first collection of complex objects created by Tom Hudson with CAD-3D.

(requires CAD-30 ST0214)

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